TOSHIBA

AV50* Series

IN NEED OF HELP

For television operation queries, please ring the helpline...

Toshiba customer helpline • 0115 976 6958 •

REGZA

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Safety Precautions

This equipment has been designed and manufactured to meet international safety standards but, like any electrical equipment, care must be taken to obtain the best results and for safety to be assured. Please read the points below for your own safety. They are of a general nature, intended to help with all electronic consumer products and some points may not apply to the goods you have just purchased.

Air Circulation

Leave more than 10cm clearance around the television to allow adequate ventilation. This will prevent overheating and possible damage to the television. Dusty places should also be avoided.

Heat Damage

Damage may occur if the television is left in direct sunlight or near a heater. Avoid places subject to extremely high temperatures or humidity. Place in a location where the temperature remains between 5°C (41°F) min. and 35°C (94°F) max.

Mains Supply

The mains supply required for this equipment is 220-240v AC 50/60Hz. Never connect to a DC supply or any other power source. DO ensure that the television is not standing on the mains lead.
DO NOT cut off the mains plug from this equipment, this incorporates a special Radio Interference Filter, the removal of which will impair its performance. In the UK, the fuse fitted in this plug is approved by ASTA or BSI to *BS1362*. It should only be replaced by a correctly rated and approved type and the fuse cover must be refitted.
IF IN DOUBT PLEASE CONSULT A COMPETENT ELECTRICIAN.

Do

DO read the operating instructions before you attempt to use the equipment.

DO ensure that all electrical connections (including the mains plug, extension leads and inter-connections between pieces of equipment) are properly made and in accordance with the manufacturers' instructions. Switch off and withdraw the mains plug before making or changing connections.

DO consult your dealer if you are ever in doubt about the installation, operation or safety of your equipment.

DO be careful with glass panels or doors on equipment.

DO NOT REMOVE ANY FIXED COVERS AS THIS WILL EXPOSE DANGEROUS AND 'LIVE' PARTS.

THE MAINS PLUG IS USED AS A DISCONNECTING DEVICE AND THEREFORE SHOULD BE READILY OPERABLE.

Do not

DO NOT obstruct the ventilation openings of the equipment with items such as newspapers, tablecloths, curtains, etc. Overheating will cause damage and shorten the life of the equipment.

DO NOT allow electrical equipment to be exposed to dripping or splashing or objects filled with liquids, such as vases, to be placed on the equipment.

DO NOT place hot objects or naked flame sources, such as lighted candles or nightlights on, or close to equipment. High temperatures can melt plastic and lead to fires.

DO NOT use makeshift stands and NEVER fix legs with wood screws. To ensure complete safety, always fit the manufacturers' approved stand, bracket or legs with the fixings provided according to the instructions.

DO NOT leave equipment switched on when it is unattended, unless it is specifically stated that it is designed for unattended operation or has a standby mode. Switch off by withdrawing the plug, make sure your family know how to do this. Special arrangements may need to be made for people with disabilities.

DO NOT continue to operate the equipment if you are in any doubt about it working normally, or it is damaged in any way – switch off, withdraw the mains plug and consult your dealer.

WARNING – excessive sound pressure from earphones or headphones can cause hearing loss.

ABOVE ALL – NEVER let anyone, especially children, push or hit the screen, push anything into holes, slots or any other openings in the case.

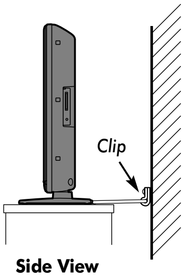
NEVER guess or take chances with electrical equipment of any kind – it is better to be safe than sorry.

Installation and important information

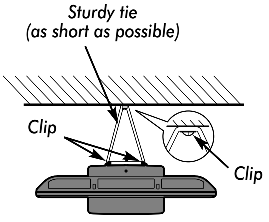
Where to install

Locate the television away from direct sunlight and strong lights, soft, indirect lighting is recommended for comfortable viewing. Use curtains or blinds to prevent direct sunlight falling on the screen.

Place on a sturdy platform, the mounting surface should be flat and steady. It should be secured to the wall with a sturdy tie using the clip on the back of the stand, or secured to the platform using the fixing strap located underneath the table top stand, this will prevent it from falling over.



Side View



Top View

The LCD display panels are manufactured using an extremely high level of precision technology, however sometimes some parts of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

Make sure the television is located in a position where it cannot be pushed or hit by objects, as pressure will break or damage the screen, and that small items cannot be inserted into slots or openings in the case.

Please take note

EXCLUSION CLAUSE

Toshiba shall under no circumstances be liable for loss and/or damage to the product caused by:

i) fire;
ii) earthquake;
iii) accidental damage;
iv) intentional misuse of the product;
v) use of the product in improper conditions;
vi) loss and/or damage caused to the product whilst in the possession of a third party;
vii) any damage or loss caused as a result of the owner’s failure and/or neglect to follow the instructions set out in the owner’s manual;
viii) any loss or damage caused directly as a result of misuse or malfunction of the product when used simultaneously with associated equipment;

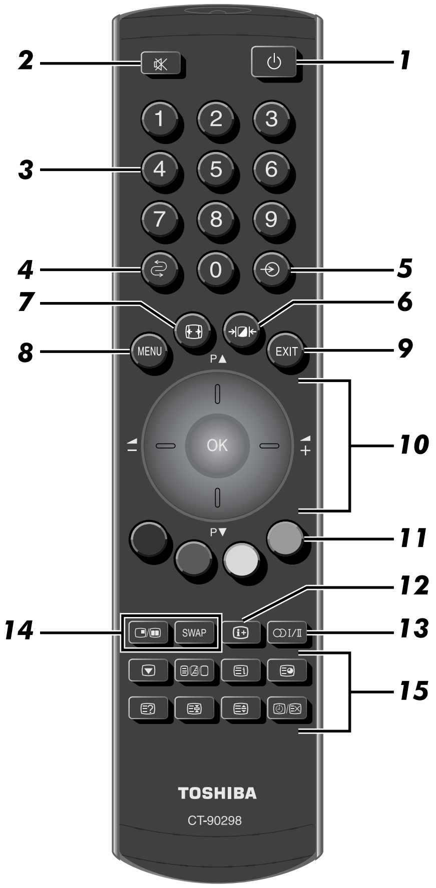
Furthermore, under no circumstances shall Toshiba be liable for any consequential loss and/or damage including but not limited to the following, loss of profit, interruption of business, the loss of recorded data whether caused during normal operation or misuse of the product.

NOTE: A Toshiba wall bracket or stand, where available, must be used. If a non Toshiba wall bracket or stand is used the product’s BEAB approval will become void and the equipment is then used at the consumers own risk.

- If stationary images generated by 4:3 broadcasts, text services, channel identification logos, computer displays, video games, on screen menus, etc. are left on the television screen for any length of time they could become conspicuous, it is always advisable to reduce both the brightness and contrast settings.
- Very long, continuous use of the 4:3 picture on a 16:9 screen may result in some retention of the image at the 4:3 outlines, this is not a defect of the LCD TV and is not covered under the manufacturers warranty. Regular use of other size modes (eg: Superlive) and varying the “side panel” brightness (if available on the model) will prevent permanent retention.

The remote control

Simple at-a-glance reference of your remote control.



1 For On/Standby mode

2 To mute the sound

3 Number buttons

4 To return to the previous programme

5 To select input from external sources

6 Selectable picture preferences

7 Widescreen viewing

8 On-screen Menus

9 To exit Menus

10 Navigation Ring:

Use P▲ and P▼ to change programme positions and text pages
Use ◿− and ◿+ to alter the volume
When using menus press P▲ (up), P▼ (down), ◿− (left) and ◿+ (right) to move the cursor on the screen. Ⓞⓚ to confirm your selection

11 Text control buttons

12 To display on-screen information

13 Stereo/bilingual transmissions

14 No function on this model

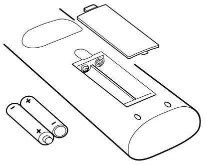
15 **When in TV mode:**

▼	Still picture
◷/⊠	Time display
≡/◪/▢	To call up text

When in Text mode:

≡i	To access index page
≡◕	To access Sub pages
≡?	To reveal concealed text
≡⧗	To hold a wanted page
≡⇕	To enlarge text display size
◷/⊠	To select a page whilst viewing a normal picture

Inserting batteries and effective range of the remote



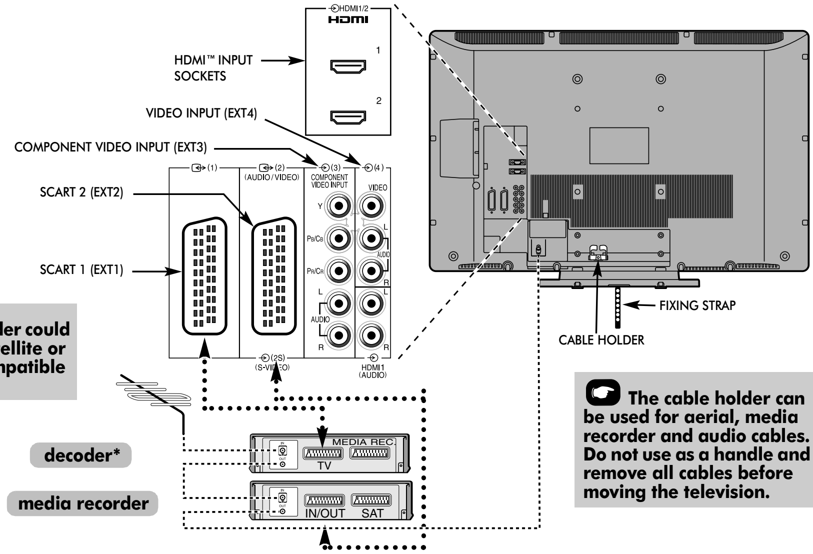
Remove the back cover to reveal the battery compartment and make sure the batteries are inserted the right way round. Suitable battery types for this remote are AAA, IEC R03 1.5V.

Do not combine a used, old battery with a new one or mix battery types. Remove dead batteries immediately to prevent acid from leaking into the battery compartment. Dispose of them in a designated disposal area. **Warning:** batteries must not be exposed to excessive heat such as sunshine, fire or the like.

The performance of the remote control will deteriorate beyond a distance of five metres or outside an angle of 30 degrees from the centre of the television. If the operating range becomes reduced the batteries may need replacing.

Connecting external equipment

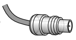
Before connecting any external equipment, turn off all main power switches. If there is no switch remove the mains plug from the wall socket.


HDMI1/2
HDMI
HDMI™ INPUT SOCKETS
1
2
VIDEO INPUT (EXT4)
COMPONENT VIDEO INPUT (EXT3)
SCART 2 (EXT2)
SCART 1 (EXT1)
(1)
(2) (AUDIO/VIDEO)
(3) COMPONENT VIDEO INPUT
(4) VIDEO
Y
PB/CB
PR/CR
L
AUDIO
R
(2S) (S-VIDEO)
HDMI1 (AUDIO)
FIXING STRAP
CABLE HOLDER
MEDIA REC
TV
IN/OUT
SAT
decoder*
media recorder

☛ *a decoder could be Digital Satellite or any other compatible decoder.

☛ The cable holder can be used for aerial, media recorder and audio cables. Do not use as a handle and remove all cables before moving the television.

Aerial cables: -



Connect the aerial to the socket on the rear of the television. If you use a decoder* and/or a media recorder it is essential that the aerial cable is connected through the decoder and/or through the media recorder to the television.

SCART leads: . . . .

Connect the video recorder **IN**/**OUT** socket to the television. Connect the decoder **TV** socket to the television. Connect the media recorder **SAT** socket to the decoder **MEDIA REC**. socket.

Before running **Auto tuning** put your decoder and media recorder to **Standby**.

The phono sockets alongside the COMPONENT VIDEO INPUT sockets will accept L and R audio signals.

The phono sockets alongside the VIDEO INPUT socket will accept L and R audio signals.

HDMI™ (High-Definition Multimedia Interface) is for use with a DVD, decoder or electrical equipment with digital audio and video output. It is designed for best performance with 1080i high-definition video signals but will also accept and display VGA, 480i, 480p, 576i, 576p and 720p signals.

NOTE: Although this television is able to connect to HDMI equipment it is possible that some equipment may not operate correctly.

A wide variety of external equipment can be connected to the back of the television, therefore the relevant owners manuals for *all* additional equipment must be referred to.

We recommend *SCART 1* for a decoder and *SCART 2* for a media recorder.

If connecting S-VIDEO equipment, set the **INPUT** for **EXT2**. See *page 23*.

If the television automatically switches over to monitor external equipment, return to normal television by pressing the desired programme position button. To recall external equipment, press ⊕ to select between **EXT1**, **EXT2**, **EXT3**, **EXT4**, **HDMI1** or **HDMI2**.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

Connecting an HDMI™ or DVI device to the HDMI input

The HDMI input on your television receives digital audio and uncompressed digital video from an HDMI source device, or uncompressed digital video from a DVI (Digital Visual Interface) source device.

This input is designed to accept HDCP (High-Bandwidth Digital-Content Protection) program material in digital form from EIA/CEA-861-D–compliant [1] consumer electronic devices (such as a set-top box or DVD player with HDMI or DVI output). For acceptable video signal formats, see page 9.

NOTE:

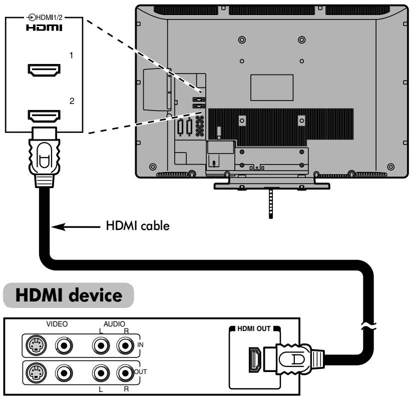
- Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.
- Supported Audio format: Linear PCM, sampling rate 32/ 44.1/48kHz.

To connect an HDMI device

Connect an HDMI cable (type A connector) to the HDMI terminal.

For proper operation, it is recommended that you use an HDMI cable with the HDMI Logo (HDMI).

- HDMI cable transfers both video and audio. Separate analog audio cables are not required (see illustration).
- See "HDMI1 audio" on page 24.

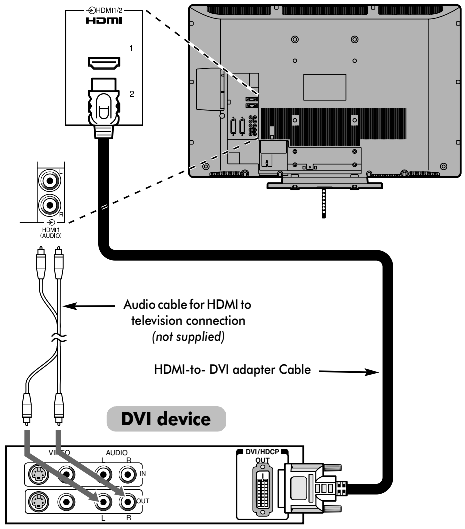


To view the HDMI device video, press the ⊕ to select HDMI1 or HDMI2 mode.

To connect a DVI device

Connect an HDMI-to-DVI adapter cable (HDMI type A connector) to HDMI1 terminal and audio cables to the HDMI1 Audio socket (see illustration).

- The recommended HDMI-to-DVI adapter cable length is 6.6 ft (2m).
- An HDMI-to-DVI adapter cable transfers video only. Separate analog audio cables are required.
- See "HDMI1 audio" on page 24.



NOTE:

To ensure that the HDMI or DVI device is reset properly, it is recommended that you follow these procedures:

- When turning on your electronic components, turn on the television first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the television.

---

[1] EIA/CEA-861-D compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the television.

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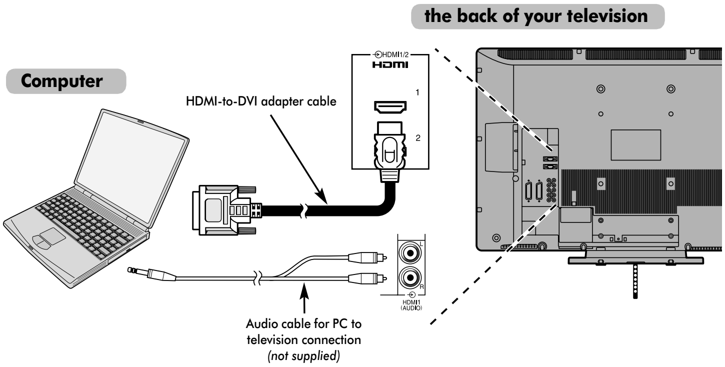
Connecting a computer

With the HDMI connection, you can watch your computer's display on the television and hear the sound from the televisions speakers.

To connect a PC to the HDMI terminal

When connecting a PC to the HDMI terminal on the television, use an HDMI-to DVI adapter cable and analog audio cables.

If connecting a PC with an HDMI terminal, use an HDMI cable (type A connector). Separate analog cables are not necessary (see page 8).


the back of your television
Computer
HDMI-to-DVI adapter cable
HDMI1/2
HDMI
1
2
L
R
HDMI1
(AUDIO)
Audio cable for PC to
television connection
(not supplied)

For acceptable PC signal formats, see "Acceptable video or PC singnals through HDMI terminals".

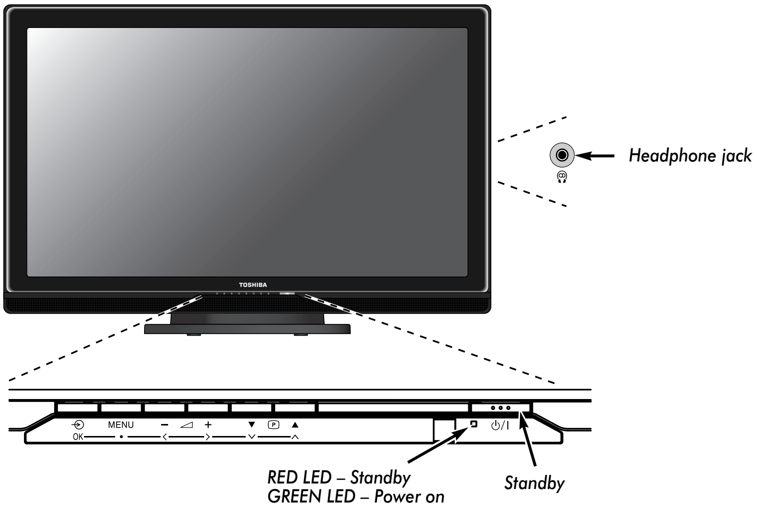
NOTE: The edges of the images may be hidden.

Acceptable video or PC signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 × 480i	59.940/60.000Hz	15.734/15.750kHz	27.000/27.027MHz
576i	720 × 576i	50.000Hz	15.625kHz	27.000MHz
480p	720 × 480p	59.940/60.000Hz	31.469/31.500kHz	27.000/27.027MHz
576p	720 × 576p	50.000Hz	31.250kHz	27.000MHz
1080i	1920 × 1080i	59.940/60.000Hz	33.716/33.750kHz	74.176/74.250MHz
1080i	1920 × 1080i	50.000Hz	28.125kHz	74.250MHz
720p	1280 × 720p	59.940/60.000Hz	44.955/45.000kHz	74.176/74.250MHz
720p	1280 × 720p	50.000Hz	37.500kHz	74.250MHz
VGA	640 × 480p	59.940/60.000Hz	31.469/31.500kHz	25.175/25.200MHz

Using the controls

Whilst all the necessary adjustments and controls for the television are made using the remote control, the buttons on the television may be used for some functions.



Switching on

If the RED LED is unlit check that the mains plug is connected to the power supply. If the picture does not appear press ⏻ on the remote control, it may take a few moments.

To put the television into Standby press ⏻ on the remote control. To view the television press ⏻ again. The picture may take a few seconds to appear.

Using the remote control

To set up the television you will now need to use the on-screen menus. Press (MENU) on the remote control to see the menus.

The menu bar at the top of the screens will show five different topics shown in symbols. As each symbol is selected by pressing ⊿– or ⊿+ on the navigation ring on the remote control, its respective options will appear below.

To use the options, press P▼ on the navigation ring to move down through them and (OK), ⊿– or ⊿+ to select the required choice. Follow the on-screen instructions. The functions of each menu are described in detail throughout the manual.

Using the controls

To alter the volume press – ⊿ +.

To alter the programme position press ▼ Ⓟ ▲.

Press **MENU** and ‹, ›, ˄ or ˅ to control the sound and picture options.

Press **MENU** to finish.

To select the external input, press ⊕ until the appropriate input source is selected as described on *page 23*.

Please always refer to the owner's manual of the equipment to be connected for full details.

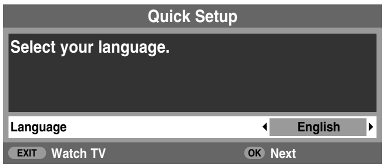
Please note: Inserting the headphone plug will mute the sound from all speakers.

Tuning the television

Before switching on the television put your decoder and media recorder to **Standby** if they are connected.
To set up the television use the buttons on the remote control as detailed on page 6.

Quick Setup

1. Connect the television to the mains power and press the ⏻ button. The **Quick Setup** screen will appear.



Quick Setup

Select your language.

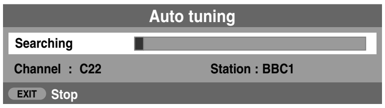
Language ◄ English ►

EXIT Watch TV   OK Next

2. Using ◄ or ► select your **language**, then press OK.

3. Then press ◄ or ► to select your **country** and press OK.

4. To start **Auto tuning** press OK.



Auto tuning

Searching

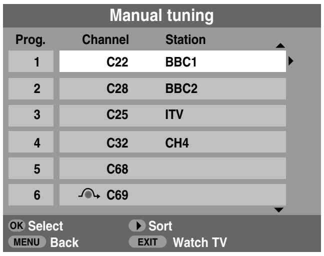
Channel : C22   Station : BBC1

EXIT Stop

The search will begin for all available stations.
The slide bar will move along the line as the search progresses.

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture or the signal may be weak, so the station order can be changed using **Manual tuning** which will appear on the screen.



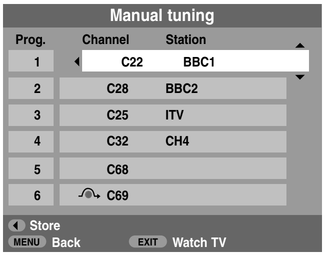
Manual tuning

Prog.	Channel	Station
1	C22	BBC1
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	
6	C69	

OK Select   ► Sort
MENU Back   EXIT Watch TV

5. With the list of stations now showing use P▲ or P▼ to highlight the station you want to *move* and press ►.

   The selected station will be moved to the right of the screen.



Manual tuning

Prog.	Channel	Station
1	C22	BBC1
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	
6	C69	

◄ Store
MENU Back   EXIT Watch TV

6. Use P▲ or P▼ to move through the list to your *preferred* position. As you do so the other stations will move to make room.

7. Press ◄ to store your move.

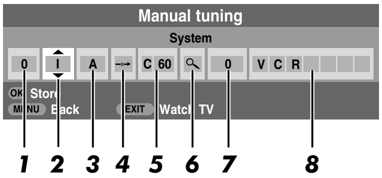
   Repeat as necessary, then press EXIT.

   If the television cannot be connected to a media recorder/decoder with a SCART lead or if a station on another ***system*** is required, use **Manual tuning** to allocate a programme position, *see page* 12.

Manual tune

The television can be tuned-in manually using **Manual tuning**. For example: if the television cannot be connected to a media recorder/decoder with a SCART lead or to tune-in a station on another **System**.

Use ◁ and ▷ to move across the screen and select any of these Manual Tune options.


Manual tuning
System
0
I
A
C 60
0
V C R
OK Store
MENU Back
EXIT Watch TV
1
2
3
4
5
6
7
8

1 **Programme:**
The number to be pressed on the remote control.

2 **System:**
Specific to certain areas.

3 **Colour system:**
Factory set to Auto, should only be changed if problems are experienced, i.e. NTSC input from external source.

4 **Programme skip:**
↷ means nothing has been stored or the facility to skip the channel is ON. See page 13.

5 **Channel:**
The channel number on which a station is being broadcast.

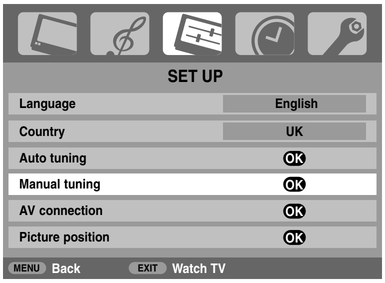
6 **Search:**
Search up and down for a signal.

7 **Manual fine tuning:**
Only used if interference/weak signal is experienced. See page 27.

8 **Station:**
Station identification. Use the P▲ or P▼ and ◁ or ▷ buttons to enter up to seven characters.

To allocate a programme position on the television for a decoder and media recorder: turn the decoder on, insert a pre-recorded film in the media recorder and press PLAY, then manually tune.

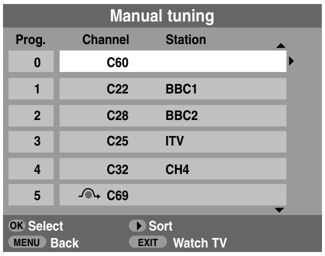
1 Press MENU and using ◁ or ▷ select the **SET UP** menu, with P▼ highlight **Manual tuning**, press OK to select.


SET UP

Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

MENU Back
EXIT Watch TV

2 Use P▲ or P▼ to highlight the programme position required *e.g.* we suggest ***Prog. 0*** for a media recorder.

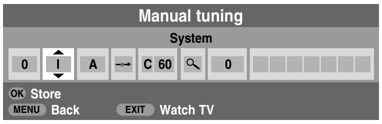

Manual tuning

Prog.	Channel	Station
0	C60	
1	C22	BBC1
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	↷ C69	

OK Select
▶ Sort
MENU Back
EXIT Watch TV

Different **Channel** numbers may be displayed.

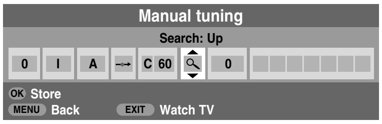
3 Press OK to select. If the programme is skipped, **Programme skip** must be removed before storing.


Manual tuning
System
0
I
A
C 60
0
OK Store
MENU Back
EXIT Watch TV

4 Press ▷ to select **System** and use P▲ or P▼ to change if required.

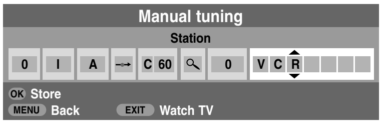
5 Then press ▷ to select **Search**.

6 Press P▲ or P▼ to begin the search. The search symbol will flash.


Manual tuning
Search: Up
0
I
A
C 60
0
OK Store
MENU Back
EXIT Watch TV

7 Each signal will show on the television, if it is not your media recorder, press P▲ or P▼ again to restart the search.

8 When your media recorder signal is found, press ► to move along to **Station**. With P▲, P▼, ◄ and ► put in the required characters, *e.g.* **VCR**.


Manual tuning
Station
0
I
A
→
C 60
0
V C R
OK Store
MENU Back
EXIT Watch TV

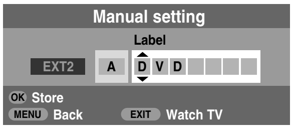
9 Press (OK) to store.

10 Repeat for each ***programme position*** you want to tune or, press (MENU) to return to the list of channels and select the next number to tune.

11 Press (EXIT) when you have finished.

12 To name external equipment, e.g. DVD on EXT2, press ⊕ to select ⊕2, then select **Manual setting** from the **SET UP** menu.

13 Press ► to select **Label** then using P▲, P▼, ◄ and ► put in the required characters.


Manual setting
Label
EXT2
A
D V D
OK Store
MENU Back
EXIT Watch TV

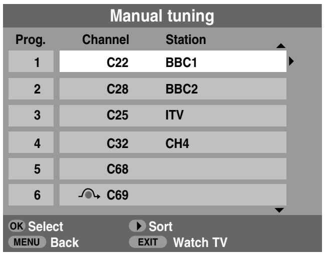
PLEASE NOTE

This television has direct channel entry if the channel numbers are known.
Select the **Manual tuning** screen in ***Step* 3**. Enter the **Programme number**, the **System**, then the **Channel** number. Press (OK) to store.

Programme skip

To prevent certain programmes from being viewed, the programme position can be skipped. The remote control must be removed as the channels will still be available using the number buttons. Programmes can then be watched as normal using the controls on the television, but the television will not show the skipped programme position.

1 Select **Manual tuning** from the **SET UP** menu.


Manual tuning
OK Select
► Sort
MENU Back
EXIT Watch TV

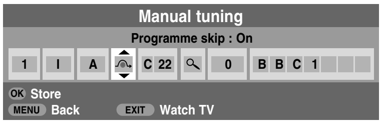
Prog.	Channel	Station
1	C22	BBC1
2	C28	BBC2
3	C25	ITV
4	C32	CH4
5	C68	
6	👁 C69	

2 Use P▲ or P▼ to highlight the programme position to be skipped and press (OK) to select.

3 Press ► to select **Programme skip**.

4 Use P▲ or P▼ to turn **Programme skip** on. Press (OK).

👁 on the screen indicates a skipped programme position.


Manual tuning
1
I
A
👁
C 22
0
B B C 1
OK Store
MENU Back
EXIT Watch TV

Programme skip : On

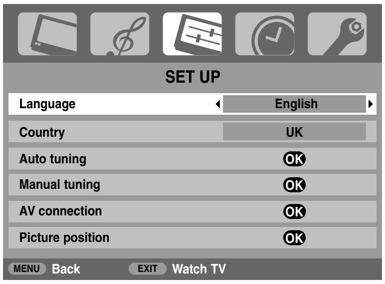
5 Press (MENU) and repeat from ***Step* 2** or press (EXIT).

Each programme position has to be *individually* selected. To turn **Programme skip** off, repeat the procedure for each position.

Skipped programme positions ***cannot*** be selected by P▲ and P▼ or by the controls on the television, but ***can*** still be accessed by the number buttons on the remote control.

Using Auto tuning

1. To set up the television using **Auto tuning**, press MENU and use ◄ or ► to select the **SET UP** menu.



SET UP

Language ◄ English ►

Country UK

Auto tuning OK

Manual tuning OK

AV connection OK

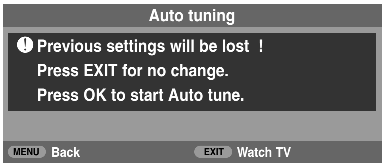
Picture position OK

MENU Back EXIT Watch TV

2. Press P▼ to highlight **Language** and ◄ or ► to select.

3. Using P▼ highlight **Country**, then ◄ or ► to select. The television will now tune the stations for your country.

4. Press P▼ to highlight **Auto tuning**, then press OK.



Auto tuning

! Previous settings will be lost !
Press EXIT for no change.
Press OK to start Auto tune.

MENU Back EXIT Watch TV

5. To start **Auto tuning** press OK.

You must allow the television to complete the search.

When the search is complete the television will automatically select programme position 1. This may not be a clear picture, so the station order can be changed using **Manual tuning**, *see page 12*.

General controls

Selecting programme positions

To select a programme position use the numbered buttons on the remote control.

Programme positions can also be selected using P▲ and P▼.

To revert to the previous programme position press ⇆ .

To display on-screen information *i.e.* programme position, input mode or stereo/mono signal, press i+ . Press again to cancel.

The Time Display

The time display facility allows the current (text service) time to be seen on the television screen.

Press ◷/≡✕ whilst watching a normal television broadcast to see a time display from the broadcaster. It will remain on screen for about 5 seconds.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo... Press ◯I/II to select **Stereo** or **Mono**.

Bilingual... Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** appears press ◯I/II to select **Dual 1**, **Dual 2** or **Mono**.

Sound controls

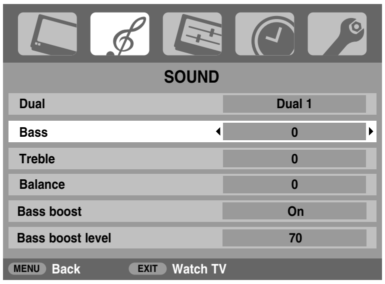
Volume controls and mute sound

Volume
Press ⊿− or ⊿+ to adjust the volume.

Sound Mute
Press 🔇 once to turn the sound off and again to cancel.

Bass, Treble and Balance

1 Press MENU and ⊿− or ⊿+ to select **SOUND**.



SOUND

Dual	Dual 1
Bass	◂ 0 ▸
Treble	0
Balance	0
Bass boost	On
Bass boost level	70

2 Press P▼ to highlight **Bass**, **Treble** or **Balance** and ⊿− or ⊿+ to change the setting.

Bass boost

***Bass boost** enhances the depth of the sound on the TV speakers. The difference will only be noticeable on sound with a strong bass.*

1 In the **SOUND** menu press P▼ to highlight **Bass boost**. Use ⊿− or ⊿+ to select **On**.

2 Then press P▼ to highlight **Bass boost level** and using ⊿− or ⊿+ adjust to suit your preference.

Dual

*If a programme or film is being broadcast with a soundtrack in more than one language, the **DUAL** feature allows selection between them.*

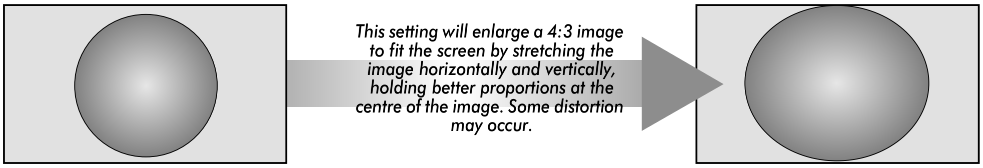
1 Press MENU and select the **SOUND** menu.

2 Use P▼ to highlight **Dual** then press ⊿− or ⊿+ to choose between **Dual 1** or **Dual 2**.

Widescreen viewing

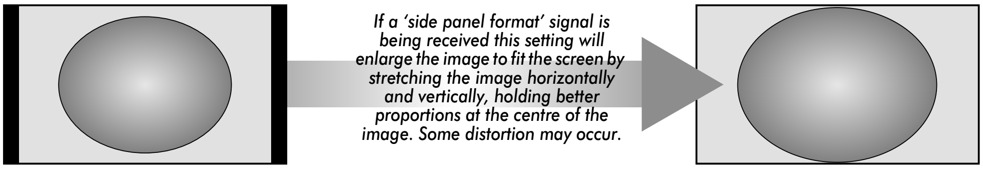
Depending on the type of broadcast being transmitted, programmes can be viewed in a number of formats. Press ⊞ repeatedly to select between **4:3**, **Super Live 1**, **Cinema 1**, **Subtitle**, **14:9**, **Wide**, **Super Live 2**, **Cinema 2** and **PC**.

SUPER LIVE 1



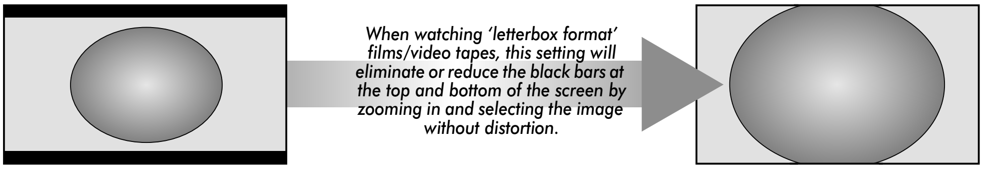
This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.

SUPER LIVE 2



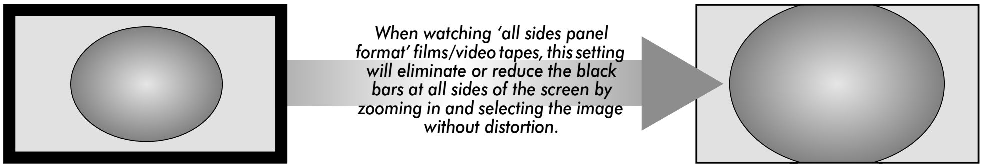
If a 'side panel format' signal is being received this setting will enlarge the image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.

CINEMA 1



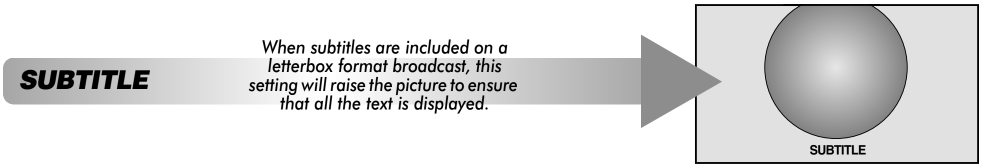
When watching 'letterbox format' films/video tapes, this setting will eliminate or reduce the black bars at the top and bottom of the screen by zooming in and selecting the image without distortion.

CINEMA 2



When watching 'all sides panel format' films/video tapes, this setting will eliminate or reduce the black bars at all sides of the screen by zooming in and selecting the image without distortion.

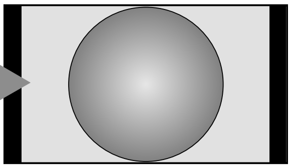
SUBTITLE



When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.

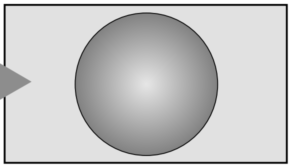
14:9

Use this setting when watching a 14:9 broadcast.



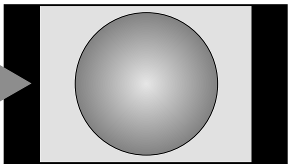
WIDE

Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



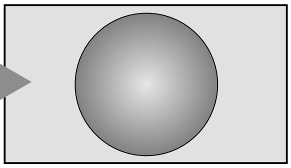
4:3

Use this setting to view a true 4:3 broadcast.

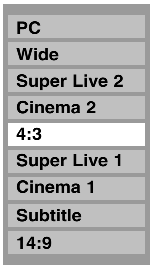


PC

When using a PC connected via HDMI this setting will show the picture without over scan, i.e. WYSIWYG. This option is only available when watching 1080i or 720p source via HDMI.



Press ↔ and a list of all the widescreen formats will appear on screen.
Use P▲ and P▼ to highlight the required format and OK to select.



PC
Wide
Super Live 2
Cinema 2
4:3
Super Live 1
Cinema 1
Subtitle
14:9

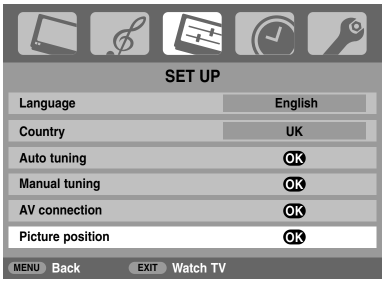
Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Picture controls

Picture position

The picture position may be adjusted to suit personal preference and can be particularly useful for external inputs.

1. In the **SET UP** menu press P▼ until **Picture position** is highlighted.



SET UP

Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

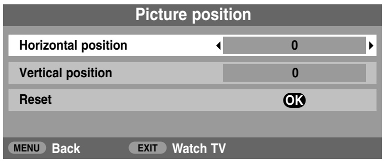
MENU Back EXIT Watch TV

2. Press OK to view the options available for the picture format that has been selected.

3. Press P▲ and P▼ to select an option, then ◄ or ► to adjust the settings.

The options alter depending on the widescreen format chosen and when viewing connected equipment.

In **Cinema 2**:



Picture position

Horizontal position	◄ 0 ►
Vertical position	0
Reset	OK

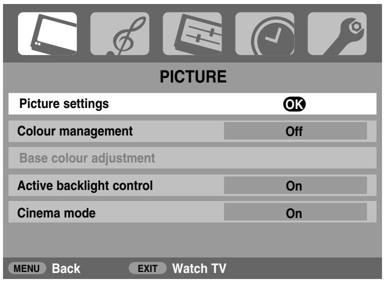
MENU Back EXIT Watch TV

To return to the original factory settings select **Reset** in the **Picture position** menu and press OK.

Backlight

*Adjusting the **Backlight** can improve the clarity of the screen when viewing.*

1. In the **PICTURE** menu press P▼ to select **Picture settings**, then press OK.



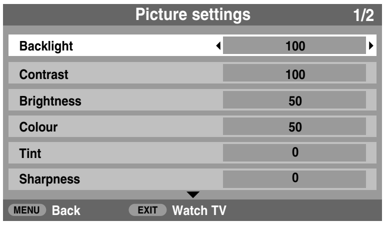
PICTURE

Picture settings	OK
Colour management	Off
Base colour adjustment	
Active backlight control	On
Cinema mode	On

MENU Back EXIT Watch TV

2. In the **Picture settings** menu press P▼ to select **Backlight**.

3. Press ◄ or ► to adjust.



Picture settings 1/2

Backlight	◄ 100 ►
Contrast	100
Brightness	50
Colour	50
Tint	0
Sharpness	0

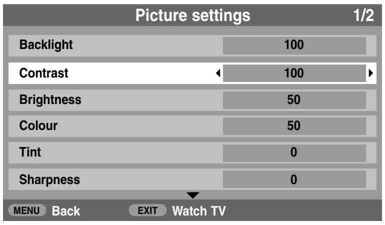
MENU Back EXIT Watch TV

Picture preferences

This television offers the choice of personalising the picture style. Press →|◪|← to view the different styles available:

***Dynamic**, **Standard** and **Movie** are preset options and effect many features/settings within the television, **User setting** stores your own settings as detailed below:*

1. Select **Picture settings** from the **PICTURE** menu.


Picture settings 1/2

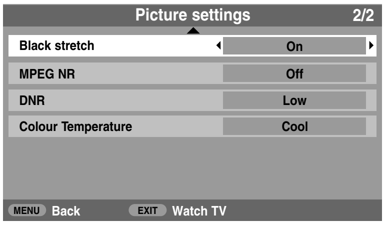
Backlight	100
Contrast	100
Brightness	50
Colour	50
Tint	0
Sharpness	0

2. Use ⊿– or ⊿+ to adjust the **Contrast**, **Brightness**, **Colour**, **Tint** and **Sharpness**.

Black stretch

***Black Stretch** increases the strength of dark areas of the picture which improves the definition.*

1. In the **Picture settings** menu press P▼ until **Black Stretch** is highlighted.


Picture settings 2/2

Black stretch	On
MPEG NR	Off
DNR	Low
Colour Temperature	Cool

2. Press ⊿– or ⊿+ to select between **On** and **Off**. The effect depends on the broadcast and is most noticeable on dark colours.

MPEG NR – Noise Reduction

*When watching a DVD the compression may cause some words or picture elements to become distorted or pixelated. Using the **MPEG NR** feature reduces this effect by smoothing out the edges.*

1. Select **MPEG NR** from the **Picture settings** menu. Use ⊿– or ⊿+ to select **On** or **Off** to suit your preference.

DNR – Digital Noise Reduction

***DNR** enables you to 'soften' the screen representation of a weak signal to reduce the noise effect.*

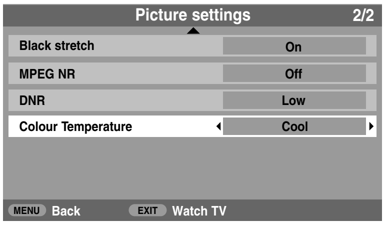
1. Select **DNR** from the **Picture settings** menu.

2. Use ⊿– or ⊿+ to select between **Low**, **Middle**, **High** and **Off**. The differences may not always be noticeable (for the best result use lower settings as picture quality can be lost if the setting is too high).

Colour temperature

***Colour Temperature** increases the 'warmth' or 'coolness' of a picture by increasing the red or blue tint.*

1. In the **Picture settings** menu press P▼ until **Colour Temperature** is highlighted.


Picture settings 2/2

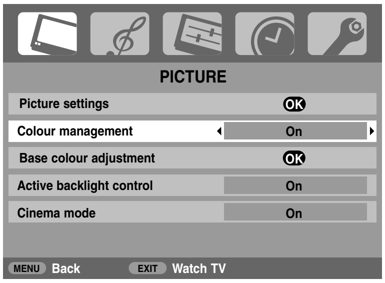
Black stretch	On
MPEG NR	Off
DNR	Low
Colour Temperature	Cool

2. Press ⊿– or ⊿+ to select between **Natural**, **Warm** and **Cool** to suit your preference.

Colour management

*When **Colour management** is selected it allows the 'Base colour adjustment' feature to become available.*

1. In the **PICTURE** menu press P▼ to select **Colour management**.



PICTURE

Picture settings	OK
Colour management	◄ On ►
Base colour adjustment	OK
Active backlight control	On
Cinema mode	On

MENU Back EXIT Watch TV

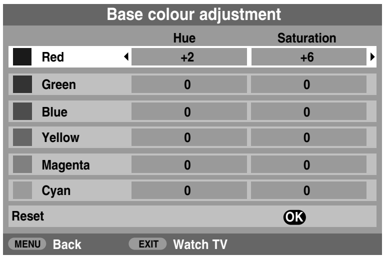
2. Press ◄ or ► to select **On** or **Off**.

Base colour adjustment

*The **Base colour adjustment** feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source.*

1. In the **PICTURE** menu press P▼ to select **Base colour adjustment**, then press OK.

2. Press P▲ or P▼ to select an option, then ► to adjust the settings.

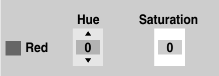


Base colour adjustment

	Hue	Saturation
Red	◄ +2	+6 ►
Green	0	0
Blue	0	0
Yellow	0	0
Magenta	0	0
Cyan	0	0
Reset		OK

MENU Back EXIT Watch TV

3. Press ◄ or ► to select **Hue** or **Saturation**, then press P▲ or P▼ to adjust the settings as required.



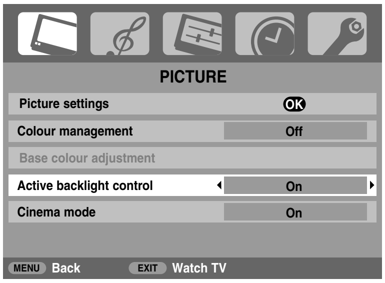
	Hue	Saturation
Red	▲ 0 ▼	0

To return to the original factory settings select **Reset** and press OK.

Active backlight control

*When **Active backlight control** is activated it will automatically optimise the backlighting levels for dark scenes.*

1. In the **PICTURE** menu press P▼ to select **Active backlight control**.



PICTURE

Picture settings	OK
Colour management	Off
Base colour adjustment	
Active backlight control	◄ On ►
Cinema mode	On

MENU Back EXIT Watch TV

2. Press ◄ or ► to select **On** or **Off**.

Cinema mode

*If there are lines or jagged edges in the film or programme being viewed, selecting **Cinema mode** can help correct this by smoothing out the picture.*

1. In the **PICTURE** menu press P▼ to select **Cinema mode**.

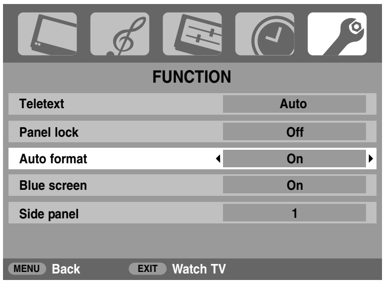
2. Press ◄ or ► to select **On** or **Off**.

NOTE: When a DVD with subtitles is being played this mode may not work correctly.

Automatic format (Widescreen)

When this television receives a true Widescreen picture and ***Auto format*** *is* ***On****, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.*

1 Press (MENU) and ⊿- or ⊿+ to select the **FUNCTION** menu.



FUNCTION

Teletext	Auto
Panel lock	Off
Auto format	◂ On ▸
Blue screen	On
Side panel	1

2 Press P▼ to highlight **Auto format**, then ⊿- or ⊿+ to select **On** or **Off**.

Blue screen

When **Blue screen** *is selected the screen will turn blue and the sound will be muted when no signal is received.*

1 In the **FUNCTION** menu press P▼ to highlight **Blue screen**.

2 Press ⊿- or ⊿+ to select **On** or **Off**.

Side panel adjustment

The **Side panel** *feature lightens or darkens the band each side of the screen when in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.*

1 In the **FUNCTION** menu press P▼ until **Side panel** is highlighted.

2 Press ⊿- or ⊿+ to adjust.

Picture still

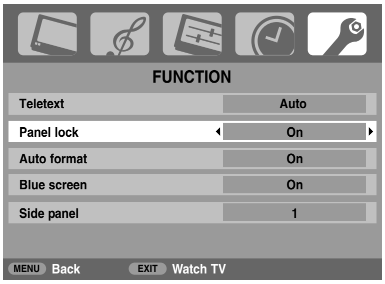
This feature is used to hold a still image on the screen.

1 Press ▼ to hold an image on the screen, press ▼ again to cancel.

Panel lock

***Panel lock** disables the buttons on the television. All buttons on the remote control can still be used.*

1. From the **FUNCTION** menu select **Panel lock** and choose **On** or **Off** using ▲ or ▼.



FUNCTION

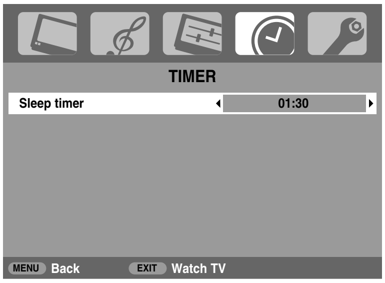
Teletext	Auto
Panel lock	On
Auto format	On
Blue screen	On
Side panel	1

When **Panel lock** is **On**, a reminder will appear when the buttons on the television are pressed. **If the standby button is pressed the television will switch off and can only be brought out of standby by using the remote control.**

Sleep timer

*The television can be set to turn itself **Off** after a certain time.*

1. Press (MENU) and ▲ or ▼ to select the **TIMER** menu.



TIMER

Sleep timer	01:30

2. Press P▼ to select **Sleep timer**. Use the number buttons to set the required time. For example, to switch the television off in one and a half hours enter 01:30, or press ▼/▲ to increase/decrease in steps of 10 minutes.

3. Press (EXIT) to finish.

4. To cancel the **Sleep timer**, enter zero in above setting.

Input selection and AV connections

Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment. See page 7 for a clear view of the back connection recommendations.

Most media recorders and decoders send a signal through the SCART lead to switch the television to the correct *Input* socket.

Alternatively press the external source selection button ⇨ until the picture from connected equipment is shown.

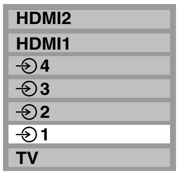
This button must be used to view equipment connected using the COMPONENT VIDEO INPUT (**EXT3**) and the VIDEO INPUT (**EXT4**).

An **S** in the display *e.g.* ⇨**2S** (**EXT 2S**), indicates the input is set for an S-Video signal.

Input selection

Use the Input Selection if the television does not switch over automatically.

1. At any time by pressing ⇨ a list will appear on screen showing all stored programmes and external equipment. Use P▲ and P▼ to highlight and (OK) to select.



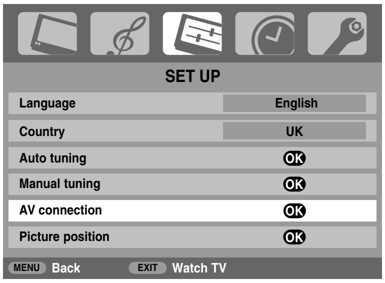
HDMI2
HDMI1
⇨4
⇨3
⇨2
⇨1
TV

HDMI™ displays equipment connected to *Input HDMI* on the back of the television. It is designed for best performance with 1080i high definition signals.

INPUT signal selection

*This specifies the type of signal going into SCART 2 (**EXT2**) on the back of the television. Please refer to the manufacturers instructions for the connected equipment.*

1. In the **SET UP** menu press P▼ until **AV connection** is highlighted, then press (OK).

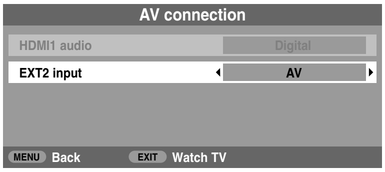


SET UP

Language	English
Country	UK
Auto tuning	OK
Manual tuning	OK
AV connection	OK
Picture position	OK

MENU Back EXIT Watch TV

2. With ◄ or ► select either **AV** or **S-VIDEO** as the required ***input*** for **EXT2**.



AV connection

HDMI1 audio	Digital
EXT2 input	◄ AV ►

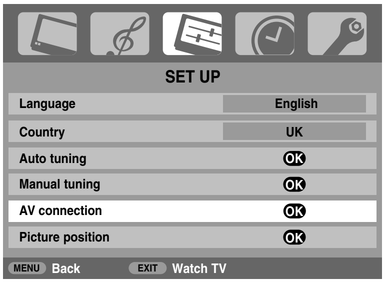
MENU Back EXIT Watch TV

If the colour is missing try the alternative setting.

HDMI1 audio

If the connected HDMI source does not support digital audio, plug the audio cable into ***HDMI1 (AUDIO)*** *on the back of the television (as shown in the 'Connecting an HDMI™ or DVI device to the HDMI input' section), then use the* ***HDMI1 audio*** *settings.*

1. In the **SET UP** menu press P▼ until **AV connection** is highlighted, then press OK.



SET UP

Language English

Country UK

Auto tuning OK

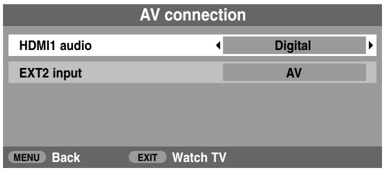
Manual tuning OK

AV connection OK

Picture position OK

MENU Back EXIT Watch TV

2. In the **AV connection** menu press P▼ to highlight **HDMI1 audio** and using ⊴ or ⊈ select **Auto**, **Digital** or **Analogue**.



AV connection

HDMI1 audio ◄ Digital ►

EXT2 input AV

MENU Back EXIT Watch TV

If the sound is missing select an alternative setting.

NOTE: HDMI1 supports digital and analogue sound, HDMI2 is digital sound only.

Certain formats of DVD disk may not output from this TV (32/44.1/48kHz and 16/20/24 bits are acceptable).

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC.

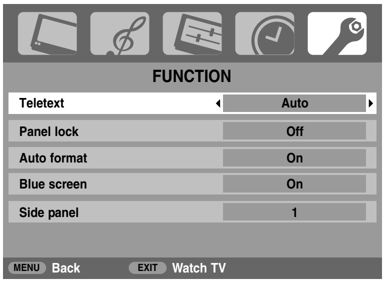
Text services

This television has a multi-page text memory, which takes a few moments to load. It offers two ***Modes*** of viewing text – **Auto** will display **Fastext**, if available. **LIST** will store your four favourite pages.

Selecting modes

The text character set will be automatically chosen by the language setting in the ***SET UP*** *menu.*

1. Select **Teletext** from the **FUNCTION** menu.
2. With ◄ or ► choose **Auto** or **LIST** then press (EXIT).



Teletext Auto

Panel lock Off

Auto format On

Blue screen On

Side panel 1

Text information

The ▤/◪/▢ button:

To view text services press ▤/◪/▢. Press again to superimpose the text over a normal broadcast picture and again to return to normal viewing. Programmes cannot be changed until text is cancelled.

The first text page shown will be the *initial* page.

Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing P▲ to advance to the next page and P▼ to go back to the previous page.

NOTE: While viewing text services, the on-screen menu will not appear when you press (MENU).

Sub-pages

If there are sub-pages they will automatically load into memory without changing the page on screen. A row with numbers will appear on the bottom of the screen.

To access the sub-pages press ≡◕ to view them.

The sub-page you are viewing will be highlighted and, as the television loads any additional sub-pages the numbers will be displayed, indicating that these pages have been loaded.

These sub-pages will remain available to view until another page is chosen or, in normal TV mode, the channel is changed.

Navigating pages using Auto

If **Fastext** is available four coloured titles will appear at the base of the screen.

To access one of the four given subjects, press the relevant coloured button on the remote control.

For further information on your particular text system(s), see the broadcast text index page or, consult your local Toshiba dealer.

Navigating pages using LIST

The four coloured choices at the bottom of the screen are numbers – 100, 200, 300 and 400, which have been programmed into the television's memory. To view these pages press the relevant coloured buttons.

To change these stored pages press the relevant coloured button and enter the 3 digit number. This number will change in the top left of the screen and in the coloured highlight.

Press (OK) to store. The bars at the bottom of the screen will flash white. **Whenever (OK) is pressed all four page numbers showing at the bottom will be stored and the previous ones will be lost.**

If (OK) is not pressed the selection will be forgotten when text is cancelled.

Other pages may be viewed by entering the 3 digit page number – but DO NOT press (OK) or these pages will be stored.

Control buttons

Below is a guide to the functions of the remote control text buttons.

≡i To display the index/initial page:

Press ≡i to access the index/initial page. The one displayed is dependant on the broadcaster.

≡/⊿/▢ To display a page of text:

Press ≡/⊿/▢ to display text. Press again to superimpose text over a normal picture. Press again to return to normal television viewing. Programmes cannot be changed until this has been done.

≡◕ To access sub-pages:

Press ≡◕ to select page.

≡? To reveal concealed text:

To discover the solutions on quiz and joke pages press the ≡? button.

≡⧗ To hold a wanted page:

At times it is convenient to hold a page of text. Press ≡⧗ and [HOLD] will appear in the top left of the screen. The page will be held on screen until the button is pressed again.

≡⇕ To enlarge the text display size:

Press ≡⇕ once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

◷/≡× To select a page whilst viewing a normal picture:

Enter the page number then press ◷/≡×, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen. Press ≡/⊿/▢ to view the page.

To display news flashes:
Select the news flash page for the chosen text service (see the index page of text service). Press ◷/≡×. The news flashes will be displayed as and when they are broadcast. Press ◷/≡× again to cancel the display.

The news flash page must be cancelled before changing programmes.

☛ Remember to cancel text before changing channels - press the ≡/⊿/▢ button twice.

Questions and Answers

Below are the answers to some of the most common queries.
For more information go to **www.toshiba.co.uk**

Q *Why is there no sound or picture?*

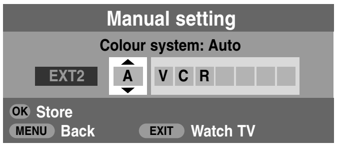
A Check the television is not in standby mode. Check the mains plug and all mains connections.

Q *There is a picture, but why is there little or no colour?*

A When using an **external** source, for instance, a poor quality video tape, if there is little or no colour, improvements may sometimes be achieved. The colour is factory set to **Auto** to automatically display the best colour system.

To check that you have the best colour:

1. With the external source playing, select **Manual setting** from the **SET UP** menu.



Manual setting
Colour system: Auto
EXT2 A V C R
OK Store
MENU Back EXIT Watch TV

2. With P▲ or P▼ choose between **Auto**, **PAL**, **SECAM**, **NTSC 4.43** or **3.58**.

Q *Why doesn't the video/DVD being played show on screen?*

A Make sure the VCR or DVD player is connected to the television as shown on page 7, then select the correct input by pressing ⊕.

Q *Why is there a good video picture but no sound?*

A Check all lead connections.

Q *Why is there a picture but no sound?*

A Check the volume has not been turned down or that sound mute has not been selected.

Q *Why is the VCR/DVD picture in black and white?*

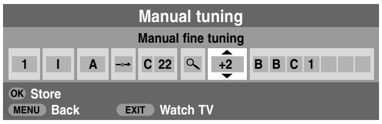
A Check the correct ***input*** has been chosen, **S-VIDEO** or **AV**. See **AV connections** page 23.

Q *What else can cause a poor picture?*

A Interference or a weak signal. Try a different television station. **Manual fine tuning** may help.

1. Select the **Manual tuning** menu. Highlight the station and press OK, then press ╪ to select **Manual fine tuning**.

2. Using P▲ or P▼ adjust to get the best picture and sound. Press OK and then EXIT.



Manual tuning
Manual fine tuning
1 I A → C 22 🔍 +2 B B C 1
OK Store
MENU Back EXIT Watch TV

Q *Why don't the controls on the front of the television work?*

A Check that **Panel lock** is not **ON**.

Q *Why doesn't the remote control work?*

A Check the batteries aren't dead or inserted incorrectly.

Q *Why is there a message permanently on the screen?*

A Remove it by pressing i+.

Q *Why are there problems with text?*

A Good performance of text depends on a good strong broadcast signal. This normally requires a roof or loft aerial. If the text is unreadable or garbled, check the aerial. Go to the *main index* page of the text service and look for the *User Guide*. This will explain the basic operation of text in some detail. If further information is needed on how to use text *see the text section*.

Q *Why are there no text sub-pages?*

A There are none broadcast or they have not yet loaded. Press the ☰ button to access.
(See text section).

Q *Why are the four coloured text numbers visible but no text?*

A Text has been selected whilst viewing an external source i.e. DVD or VCR. No text will appear on screen or a box may appear stating no information is available. Select a broadcasting channel and press ☰/◺/▢ to access.

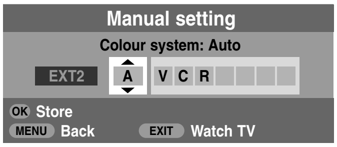
Q *Why is the LED on the front of the television flashing?*

A Check the table below.

LED indication	Condition	Solution
Green (Solid)	The TV is operating properly.	–
Red (Solid)	Standby with Power-On	–
RED Blinks 0.5 sec cycle	Power protect detection.	Turn OFF the TV and unplug the power cord. Plug the power cord in again and turn ON the TV.

Q *Why are the colours wrong when an NTSC source is played?*

A Connect the source via a SCART lead and play. Select Manual setting from the SET UP menu.



Manual setting

Colour system: Auto

EXT2 A V C R

1. Set the Colour to **Auto** and exit.

2. Go to the **Picture settings** menu and adjust the tint.

Q *Why don't the devices connected via HDMI operate properly?*

A Make sure to use cables with the HDMI logo HDMI (see page 8).

Some early HDMI equipment may not work properly with the latest HDMI TV products, due to new standard adoption.

Notes

For your own records

Cleaning the screen and cabinet...

Turn off the power, clean the screen and cabinet with a soft, dry cloth. We recommend that you ***do not*** *use any proprietary polishes or solvents on the screen or cabinet as this may cause damage.*

Disposal...

The following information is only for EU-member states:
The use of the symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

Specifications and accessories

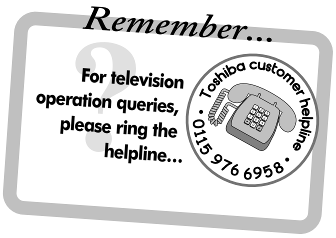
Broadcast systems/channels

PAL-I	UHF UK21-UK69
PAL-B/G	UHF E21-E69 VHF E2-E12, S1-S41
SECAM-L	UHF F21-F69 VHF F1-F10, B-Q
SECAM-D/K	UHF R21-R69 VHF R1-R12
Video Input	PAL, SECAM, NTSC 3.58/4.43

External connections

EXT1	Input	21-pin SCART	RGB, A/V
EXT2	Input	21-pin SCART	A/V, S-video
EXT3	Input	Phono jacks Phono jacks	Y, P_B/C_B, P_R/C_R Audio L + R
EXT4	Input	Phono jack Phono jacks	Video Audio L + R
HDMI 1/2	Input	HDMI™	
HDMI1 Audio		Phono jacks	Audio L + R

Stereo			Nicam 2 carrier system
Visible Screen Size (approx.)	Model	32 37 42	80cm 94cm 107cm
Display			16:9
Sound output (at 10% distortion)			Main 10W + 10W
Power consumption as specified in EN60107-1 : 1997	Model	32 37 42	137W 164W 215W
Standby (approx.)	Model	32 37 42	0.9W 0.9W 0.9W
Dimensions (approx.)	Model	32 37 42	55cm (H) 80cm (W) 22cm (D) 62cm (H) 91cm (W) 25cm (D) 68cm (H) 101cm (W) 26cm (D) *(Height dimension includes foot stand)*
Weight (approx.)	Model	32 37 42	14.3kg 17.5kg 22.0kg
Headphone socket			3.5mm stereo
Accessories			Remote control 2 batteries (AAA, IEC R03 1.5V)


Remember...
For television operation queries, please ring the helpline...
Toshiba customer helpline
• 0115 976 6958 •

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